Contents Volume 110, 1994

Palaeotemperatures indicated by Upper Jurassic (Kimmeridgian–Tithonian) fossils from Mallorca determined by oxygen isotope composition
G. D. Price and B. W. Sellwood 1
Botanical control on banding character in two New Zealand coal beds
J. C. Shearer and T. A. Moore 11
Abrasion surfaces on internal moulds of ammonites as palaeobathymetric indicators
S. Fernández-López and G. Meléndez 29
Palaeoclimate control on sequence stratigraphic patterns in the late Jurassic to mid-Cretaceous, with a case study from Eastern England
Alastair H. Ruffell and Peter F. Rawson 43
Response of Middle Jurassic benthic foraminiferal morphogroups to dysoxic/anoxic conditions in the Pieniny Klippen Basin, Polish Carpathians
Jarosław Tyszka 55
Magnetic stratigraphy and biostratigraphy of Pliocene "argille azzurre" (Northern Apennines, Italy)
J. E. T. Channell, M. S. Poli, D. Rio, R. Sprovieri and G. Villa 83
The distinction between ground-water gley and surface-water gley phenomena in Tertiary paleosols of the Ebro basin, NE Spain
M. D. PiPujol and P. Buurman 103
A paleoclimate simulation of the Wenlockian (Late Early Silurian) world using a general circulation model with implications for early land plant paleoecology
George T. Moore, Stephen R. Jacobson, Charles A. Ross and Darryl N. Hayashida 115
The Triassic–Jurassic ecostratigraphic transition in the Lombardian Alps, Italy
Christopher A. McRoberts 145
Gradational Quaternary benthic marine communities on the Van Diemen Rise, Timor Sea, northern Australia
Ian H. Lavering 167
Oceanography of the Gulf of Tehuantepec, Mexico, indicated by Radiolaria remains
A. Molina-Cruz and M. Martinez-López 179
Pedogenesis and paleoclimatic implications of the Chamberlain Pass Formation, Basal White River Group, Badlands of South Dakota
D. O. Terry and J. E. Evans 197
The last 140 ka in the Afro-Asian arid/semi-arid transitional zone
Z. Yan and N. Petit-Maire 217
Palaeogeography and geodynamic evolution of the Gosau Group of the Northern Calcareous Alps (Late Cretaceous, Eastern Alps, Austria)
M. Wagreich and P. Faupl 235
Transgressions: rethinking Beringian glaciation
B. A. Hughes and T. J. Hughes 275
Three-dimensional reconstruction of an in-situ Miocene peat forest from the Lower Rhine Embayment, northwestern Germany—new methods in palaeovegetation analysis
V. Mosbrugger, C. T. Gee, G. Belz and A. R. Ashraf 295
Hemiasterid echinoids (Echinodermata: Spatangoida) from the Cretaceous Tethys to the present-day Mediterranean
D. Néraudeau 319
Climatic signals from loess–soil sequences in the central Great Plains, USA
Z. Feng, W. C. Johnson, Y. Lu and P. A. Ward 345